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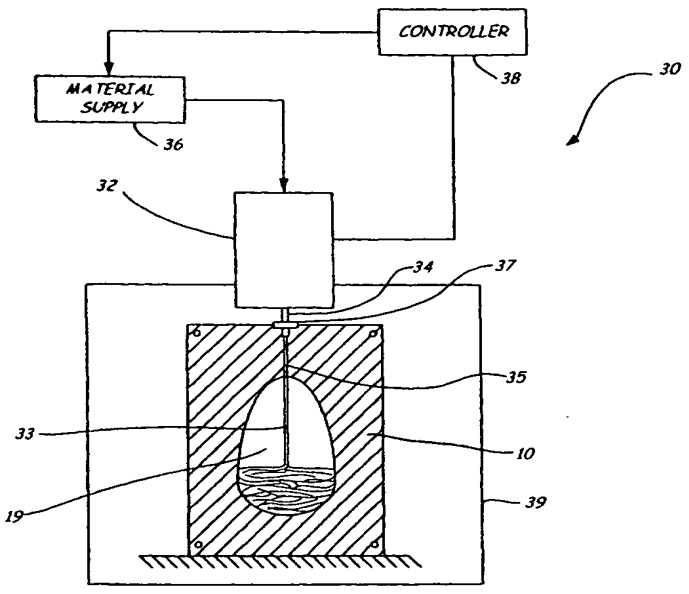
(54) Title: RAPID PROTOTYPE INJECTION MOLDING



(57) Abstract: Disclosed is a method and apparatus for making a prototype injection molded part. An extruder of the type used for fused deposition modeling injects production thermoplastic material into a heated nonconductive plastic mold tool slowly at low pressure in an isothermic process. The mold tool may be built from a CAD drawing by fused deposition modeling or another rapid prototyping technique. Using the present invention, an injection molded prototype part can be made from a digital representation of the part within 24 hours by an engineer in an office environment.

WO 03/089222 A1